

# SYLLABUS

COURSE # AND TITLE WELD 111 Basic Welding for Trade and Industry # OF CREDITS 2

## CATALOG DESCRIPTION

Course covers procedures, processes, equipment, and terminology employed in welding and related fields. Welding equipment and industry safety will also be covered. Provides students with the basic knowledge and hands on experience to perform basic cutting operations. Stresses the theory and practical application of stick electrode welding with E6010, E7018, and E7024 Electrodes.

Semester Offered: Fall

Prerequisites:

### *Common Student Learning Outcomes*

*Upon successful completion of San Juan College programs and degrees, the student will...*

<i>Learn</i>	<i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i>
<i>Think</i>	<i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i>
<i>Communicate</i>	<i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i>
<i>Integrate</i>	<i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i>
<i>Act</i>	<i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i>

## GENERAL LEARNING OBJECTIVES

1. Provide the student with safety practices.
2. Familiarize students with Welding Terminology.
3. Provide basic understanding of welding plus ox/acetylene equipment and their use.

## SPECIFIC LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to...

1. Participate in the welding safety program.
2. Define terms associated with metals.
3. Perform basic metal identification.
4. Identify and operate oxy-acetylene cutting equipment.
5. Operate arc-welding equipment.
6. Weld basic joints in various positions.

Syllabus developed by \_\_\_\_\_ Date: \_\_\_\_\_

Syllabus reviewed by \_\_\_\_\_ Date: \_\_\_\_\_

**A current syllabus must be on file in the dean's office for every course being taught during a given semester.**